

Title (en)
Lighting device

Title (de)
Beleuchtungsanordnung

Title (fr)
Dispositif d'éclairage

Publication
EP 2320134 B1 20151014 (EN)

Application
EP 10190498 A 20101109

Priority
• KR 20090107498 A 20091109
• KR 20100032060 A 20100407

Abstract (en)
[origin: EP2320134A2] Disclosed is a lighting device. The lighting device includes: a substrate (132); a light emitting device (131) disposed on the substrate; a driving unit (160) supplying electric power to the light emitting device and connected to the substrate through a conductive line; a heat radiating body (150) radiating heat from the light emitting devices and comprising a hole (153) through which the conductive line to pass; and an insulator (120,155) coupled with the hole and having an opening.

IPC 8 full level
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CPC (source: EP US)
F21K 9/23 (2016.07 - EP US); **F21K 9/238** (2016.07 - EP US); **F21V 19/0035** (2013.01 - EP US); **F21V 23/006** (2013.01 - EP US); **F21V 29/713** (2015.01 - EP US); **F21V 29/74** (2015.01 - EP US); **F21V 29/83** (2015.01 - EP US); **F21V 23/002** (2013.01 - EP US); **F21V 29/89** (2015.01 - EP US); **F21Y 2103/33** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by
EP2857744A1; CN104373846A; WO2013060510A1; WO2015052049A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2320134 A2 20110511; EP 2320134 A3 20120411; EP 2320134 B1 20151014; CN 102182939 A 20110914; CN 102182939 B 20151014; JP 2011100735 A 20110519; JP 5736151 B2 20150617; TW 201118311 A 20110601; TW I424131 B 20140121; US 2011109215 A1 20110512; US 8471443 B2 20130625

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EP 10190498 A 20101109; CN 201010611024 A 20101109; JP 2010251030 A 20101109; TW 99138565 A 20101109; US 94150710 A 20101108